FIG. 1 (PRIOR ART)

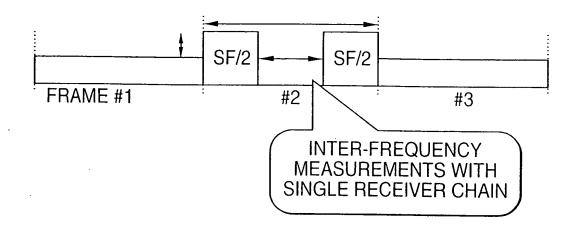
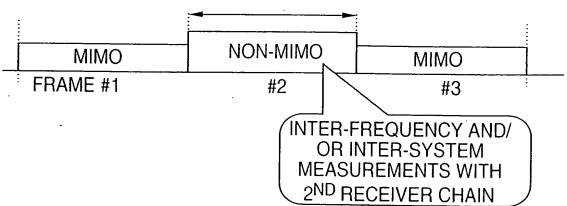


FIG. 3



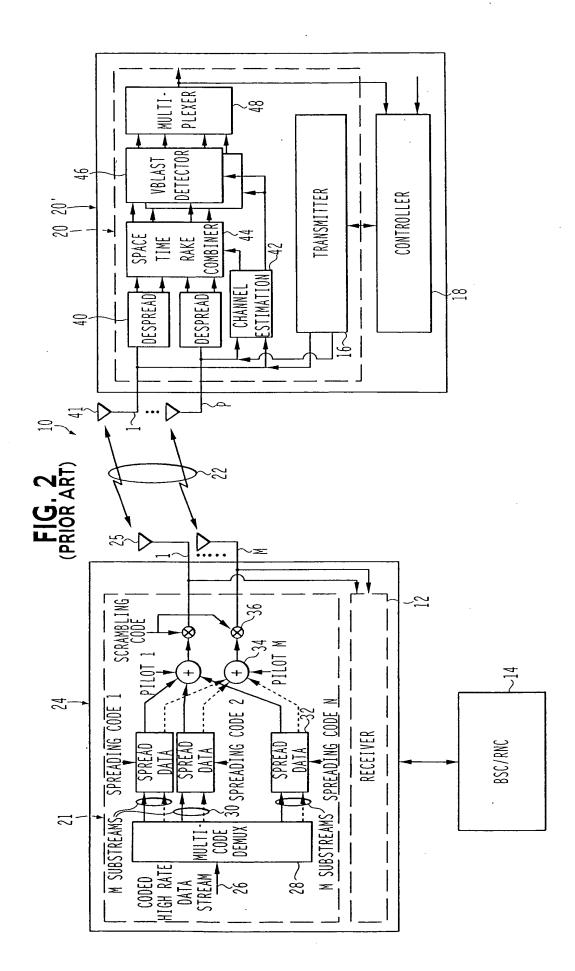


FIG. 4

DETECT CONDITION(S) WITH NETWORK OR TERMINAL THAT INTER-FREQUENCY OR INTER-SYSTEM MEASUREMENTS SHOULD BE MADE DURING MIMO OPERATION.

~100

BSC/RNC CAUSES A MESSAGE
TO BE TRANSMITTED ON THE DOWNLINK CONTROL CHANNEL IDENTIFYING
FRAME(S) WHICH WILL BE TRANSMITTED
WHEN THE STATION AND THE TERMINAL
ARE TO BE OPERATING IN NON-MIMO
MODE TO MAKE INTER-FREQUENCY OR
INTER-SYSTEM MEASUREMENTS.

~102

TERMINAL CONTROLLER STORES THE IDENTIFICATION OF THE FRAME(S) WHICH WILL BE SENT IN NON-MIMO MODE AND STARTS TO MONITOR THE FRAME NUMBERS OF RECEIVED DATA TO DETERMINE WHEN TO TUNE ONE MIMO RECEIVER TO A NEW FREQUENCY BAND WHICH IS EITHER AN INTER-FREQUENCY BAND(S) WITHIN THE SAME SYSTEM OR AN INTER-SYSTEM FREQUENCY BAND(S) WITHIN ANOTHER SYSTEM IN ORDER TO MAKE MEASUREMENTS OF RADIO INDICATOR AT THE NEW

~104

THE TRANSMITTER TRANSMITS THE IDENTIFIED FRAME(S) AT INCREASED POWER WHILE DISABLING ONE ANTENNA AND THE ONE RECEIVER IS TUNED BY THE TERMINAL CONTROLLER TO THE NEW FREQUENCY BAND(S) TO MAKE AND START MEASUREMENT(S) AND THE REMAINING RECEIVER(S) IS OPERATED TO DETECT THE IDENTIFIED FRAME(S).

FREQUENCY BAND(S).

~106

THE MEASUREMENTS ARE TRANSMITTED FROM THE TERMINAL TO THE BASE STATION AND THE BSC/RNC DECIDES IF A HANDOFF TO A NEW INTER-FREQUENCY BAND OR TO A NEW SYSTEM IS IN ORDER.

~108